

CLAIMS

1. A multilayer structure comprising at least two or more layers including a layer (a) comprising (A) polyamide 11 and/or polyamide 12, and a layer (b) comprising (B) a polyamide (polyamide 9N) consisting of a dicarboxylic acid unit comprising a naphthalenedicarboxylic acid unit in a proportion of 50 mol% or more based on all dicarboxylic acid units and a diamine unit comprising a 1,9-nanonediamine and/or 2-methyl-1,8-octanediamine unit in a proportion of 60 mol% or more based on all diamine units.
2. The multilayer structure as claimed in claim 1, which comprises at least two or more layers, having a (a)/(b) layer structure where the layer (a) is disposed as the outermost layer and the layer (b) is disposed on the inner side with respect to the layer (a).
3. The multilayer structure as claimed in claim 1 or 2, wherein the innermost layer has electrical conductivity.
4. The multilayer structure as claimed in any one of claims 1 to 3, wherein said layers are formed by co-extrusion.

5. A multilayer structure comprising at least three or more layers including a layer (a) comprising (A) polyamide 11 and/or polyamide 12, a layer (b) comprising (B) a polyamide (polyamide 9N) consisting of a dicarboxylic acid unit comprising a naphthalenedicarboxylic acid unit in a proportion of 50 mol% or more based on all dicarboxylic acid units and a diamine unit comprising a 1,9-nananediamine and/or 2-methyl-1,8-octanediamine unit in a proportion of 60 mol% or more based on all diamine units, and a layer (c) comprising (A) polyamide 11 and/or polyamide 12 or (C) polyamide 6.

6. The multilayer structure as claimed in claim 5, wherein said layer (c) comprising (A) polyamide 11 and/or polyamide 12 or (C) polyamide 6 is disposed as the innermost layer.

7. The multilayer structure as claimed in claim 5 or 6, wherein the innermost layer has electrical conductivity.

8. The multilayer structure as claimed in any one of claims 5 to 7, wherein said layers are formed by co-extrusion.

9. A multilayer shaped article comprising the multilayer structure claimed in any one of claims 1 to 4, which is a shaped article selected from the group consisting of a film, a hose, a tube, a bottle and a tank.

10. The multilayer shaped article as claimed in claim 9, which is a fuel pipe tube or hose of an automobile.

11. A multilayer shaped article comprising the multilayer structure claimed in any one of claims 5 to 8, which is a shaped article selected from the group consisting of a film, a hose, a tube, a bottle and a tank.

12. The multilayer shaped article as claimed in claim 11, which is a fuel pipe tube or hose of an automobile.